# Rec'd PCT/PTO 15 OCT 2004

### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



## 

## (43) International Publication Date 23 October 2003 (23.10.2003)

#### **PCT**

# (10) International Publication Number WO 03/088243 A1

(51) International Patent Classification7:

- - -

(21) International Application Number: PCT/IB03/01505

(22) International Filing Date: 15 April 2003 (15.04.2003)

(25) Filing Language:

English

G11B 20/00

(26) Publication Language:

English

(30) Priority Data:

60/372,893 60/432,889

16 April 2002 (16.04.2002) US 12 December 2002 (12.12.2002) US

(71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RRASINSKI, Raymond, J. [US/US]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). EPSTEIN, Michael, A. [US/US]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: GROENENDAAL, Antonius, W., M.; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declarations under Rule 4.17:

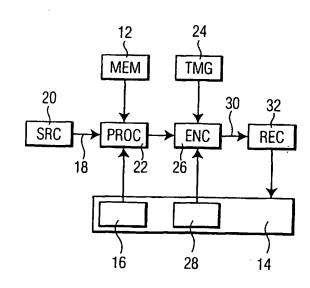
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation CN
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation CN

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ALLOWING RECORDING BASED ON REGIONS



(57) Abstract: A device (10) for recording content onto a medium (14) includes a processor (22) which is configured to read a first code (16) embedded in the medium (14), a second code embedded in a memory (12) of the recording device (10), and a third code embedded in the content (18). The processor (22) compares the three codes and allows recordation of the content (18) onto the medium (14) when the three codes are identical. The three codes are region codes indicative of the region of broadcast of the content (18), the broadcast time or the time zone of the region of broadcast. The recording device (10) prevents recordation when a content code included in the content (18) does not match the other two codes or their difference is greater than a predetermined amount.

WO 03/088243 A1

### INTERNATIONAL SEARCH REPORT

Inter al Application No PCT/TR 03/01505

•		F	PCT/IB 03/0	)1505
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G11B20/00	•		
			-	
	International Patent Classification (IPC) or to both national classific	ation and IPC		
	SEARCHED cumentation searched (classification system followed by classification)	lon symbols)		
IPC 7	G11B H04N G06F	on synboby		
Documentat	ion searched other than minimum documentation to the extent that s	such documents are include	d in the fields sear	ched
Fi				
	ata base consulted during the International search (name of data ba ternal, WPI Data, PAJ, INSPEC	ise and, where practical, se	arch (erms used)	
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages		Relevant to claim No.
х	US 2002/006094 A1 (TERAMOTO KAYO) 17 January 2002 (2002-01-17) cited in the application	)		27
Y A	paragraph '0004! – paragraph '00	006!		1,10,11, 19-21,25
	<del></del>			2,12
Y	US 6 278 984 B1 (ITAMI SATOSHI E 21 August 2001 (2001-08-21) abstract	ET AL)		1,10,11, 19-21,25
A ·	US 6 144 743 A (ANDO HIDEO ET AL 7 November 2000 (2000-11-07)	-)		1,10,11, 19-21, 25,27
·	figure 3 column 1, line 19 - line 22 column 8, line 45 - line 48 column 13, line 62 -column 16, li	ine 18		·
		-/		
X Furth	er documents are listed in the continuation of box C.	χ Patent family mer	mbers are listed in a	annex.
° Special cat	egories of cited documents :	*T* later document publishe	ed after the interna	tional filing date
conside	nt defining the general state of the art which is not ared to be of particular relevance	or priority date and no cited to understand th invention	at in conflict with the se principle or theory	application but underlying the
filing da L° documer which i	ate  It which may throw doubts on priority claim(s) or	<ul> <li>X° document of particular cannot be considered involve an inventive st</li> <li>Y° document of particular</li> </ul>	novel or cannot be tep when the docum relevance; the clair	considered to nent is taken alone ned invention
O' docume other n	nt referring to an oral disclosure, use, exhibition or	cannot be considered document is combined ments, such combinat in the art.	d with one or more	other such docu-
later th		*&* document member of the		
	5 August 2003	02/09/200		перип
	ailing address of the ISA	Authorized officer		
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tet. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Ogor, M		



Inter al Application No PCT/IB 03/01505

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with Indication,where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 49030 A (WEBTV NETWORKS INC) 5 July 2001 (2001-07-05) cited in the application the whole document	1,11,20, 25
ł	EP 0 944 256 A (HITACHI EUROP LTD) 22 September 1999 (1999-09-22) cited in the application the whole document	1,11,20, 25
	US 2001/036268 A1 (MORIYAMA YOSHIAKI ET AL) 1 November 2001 (2001-11-01) cited in the application the whole document	1,11,20, 25
		·



Interq d Application No PCT/IB 03/01505

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002006094	A1	17-01-2002	JP	2002025175	Α	25-01-2002
US 6278984	B1	21-08-2001	JP	8077263	Α	22-03-1996
US 6144743	A	07-11-2000	JP US US	10283268 2002120576 2002049677	A1	23-10-1998 29-08-2002 25-04-2002
WO 0149030	A	05-07-2001	US AU WO	6449766 2101401 0149030	Α	10-09-2002 09-07-2001 05-07-2001
EP 0944256	A	22-09-1999	EP JP US US	0944256 2000057059 6310956 2002046178	A B1	22-09-1999 25-02-2000 30-10-2001 18-04-2002
US 2001036268	A1	01-11-2001	JP CN EP	2001307427 1323116 1162617	Ä	02-11-2001 21-11-2001 12-12-2001